



9th International Conference of the
TOC Practitioners Alliance - TOCPA

www.tocpractice.com

Nov 1-2, 2013 Utrecht, The Netherlands

Tame the Flow

a full scale Project & Product Framework

“Critical Chain enhanced with advanced agile methods as flow booster for knowledge worker”

*SPEED*4  projects

Wolfram Müller

2013-11-02



Wolfram Müller

- ❑ mechatronic and mechanical engineer
- ❑ development of stents, machines and processes
- ❑ Project Office (>500 projects):
1&1 + GMX + web.de
- ❑ introduced CCPM in 1&1 Hosting
- ❑ working with agile Methods since 10 years
- ❑ since 2007 consulting under the label – Speed4Projects.Net



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the goal ...

- get more productive
- get more innovative
- get more agile

what to do?





A typical management dilemma!

1

*fix the
Organization*

TOC/CCPM/DBR

*empower the
A-Team*

agile flow oriented methods,
self organizing, empowerment

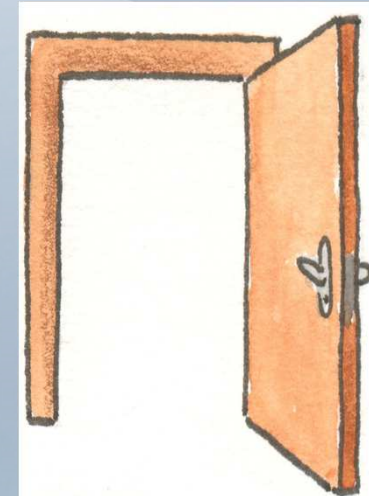


2.

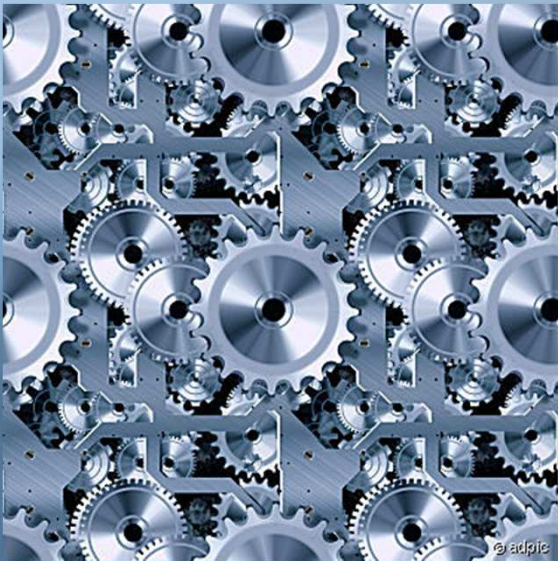
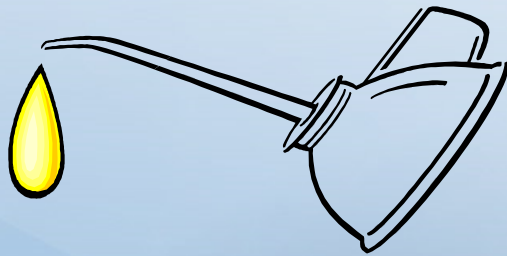


You have to decide! Where is your constraint?

here is the
typical
constraint



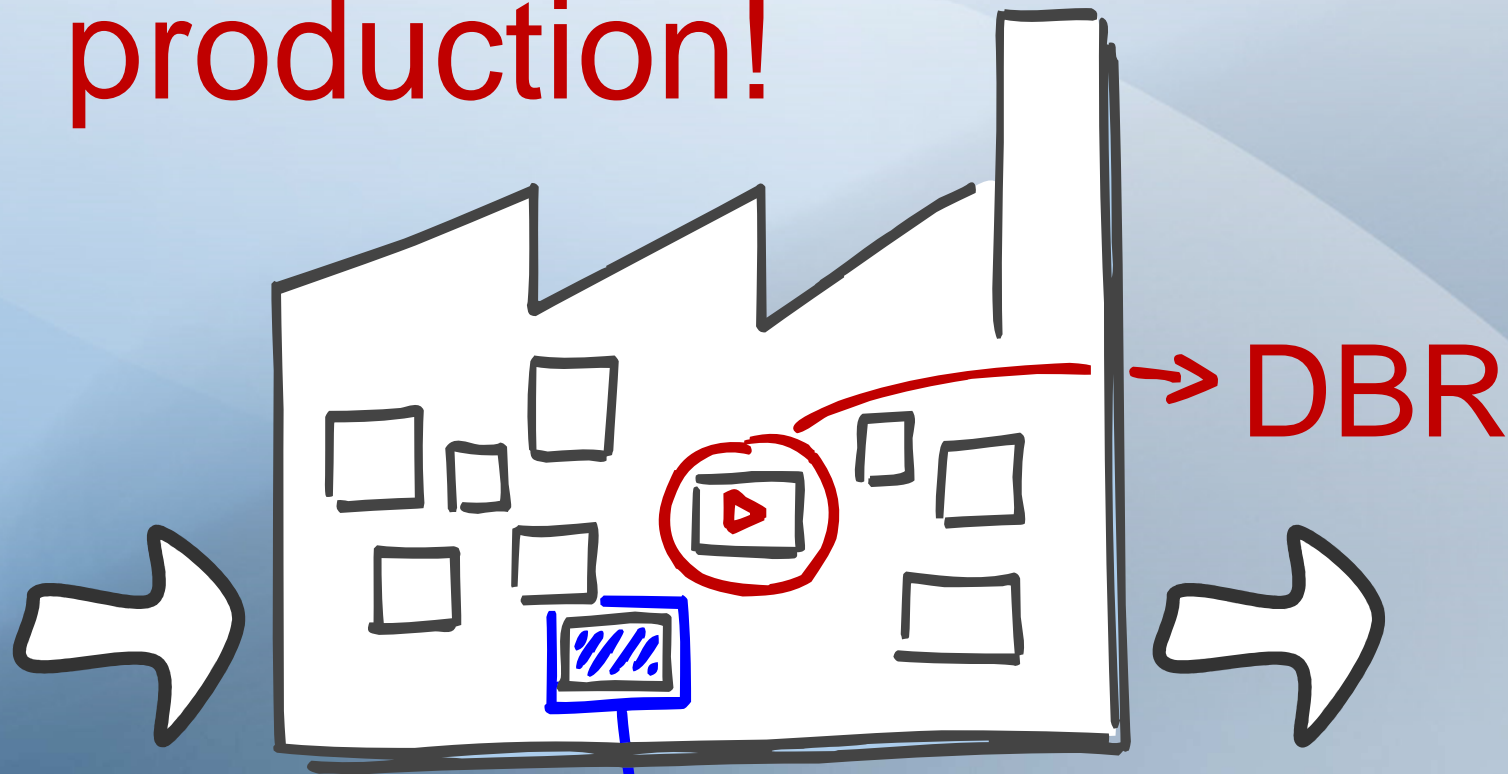
fix organization first ...



- it's not mechanical at all
→ it's finding the appropriate steering for each systemic level!
- It frees the capacity you need for the empowerment of the team and people.

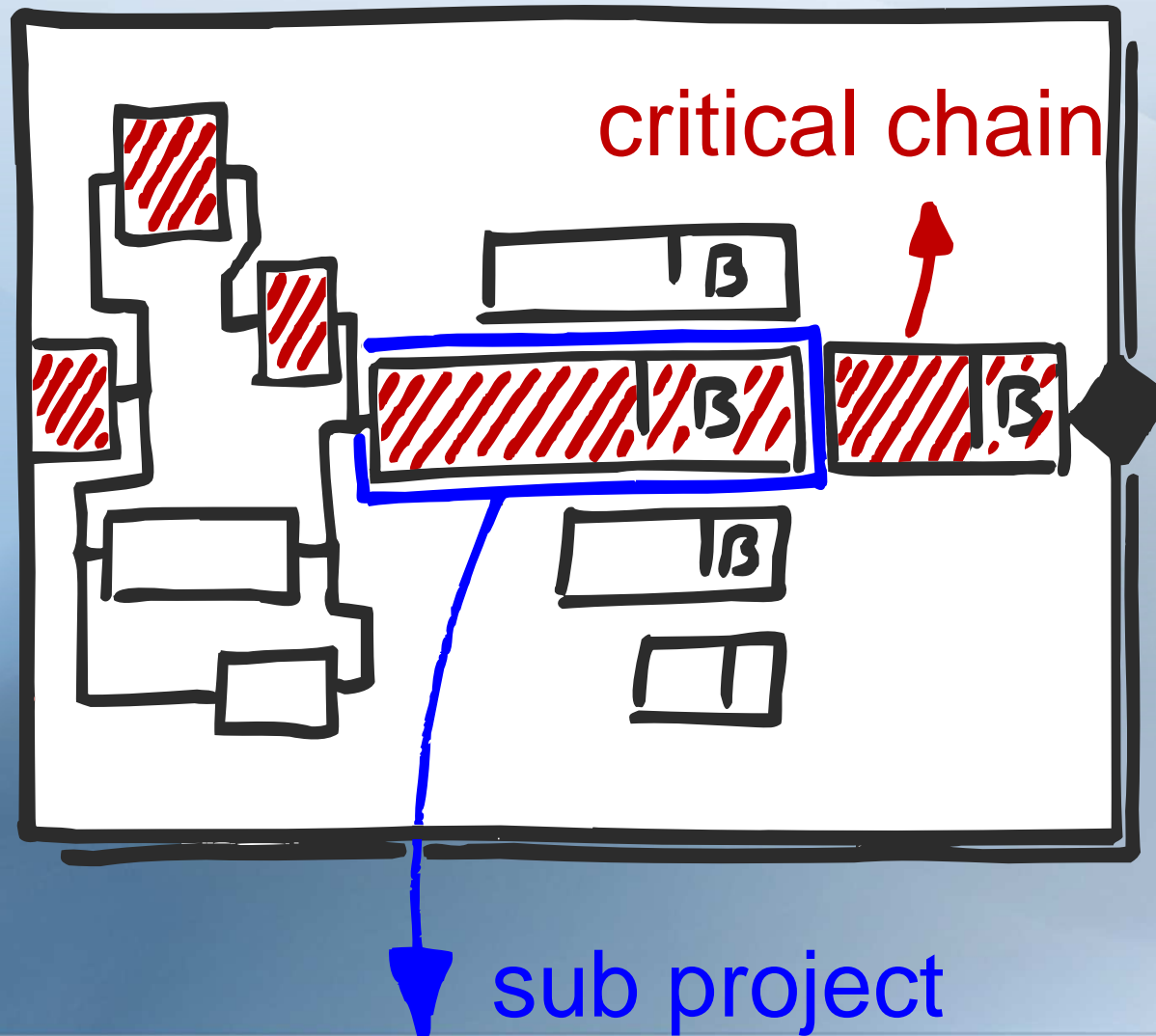
a typical project enterprise

production!



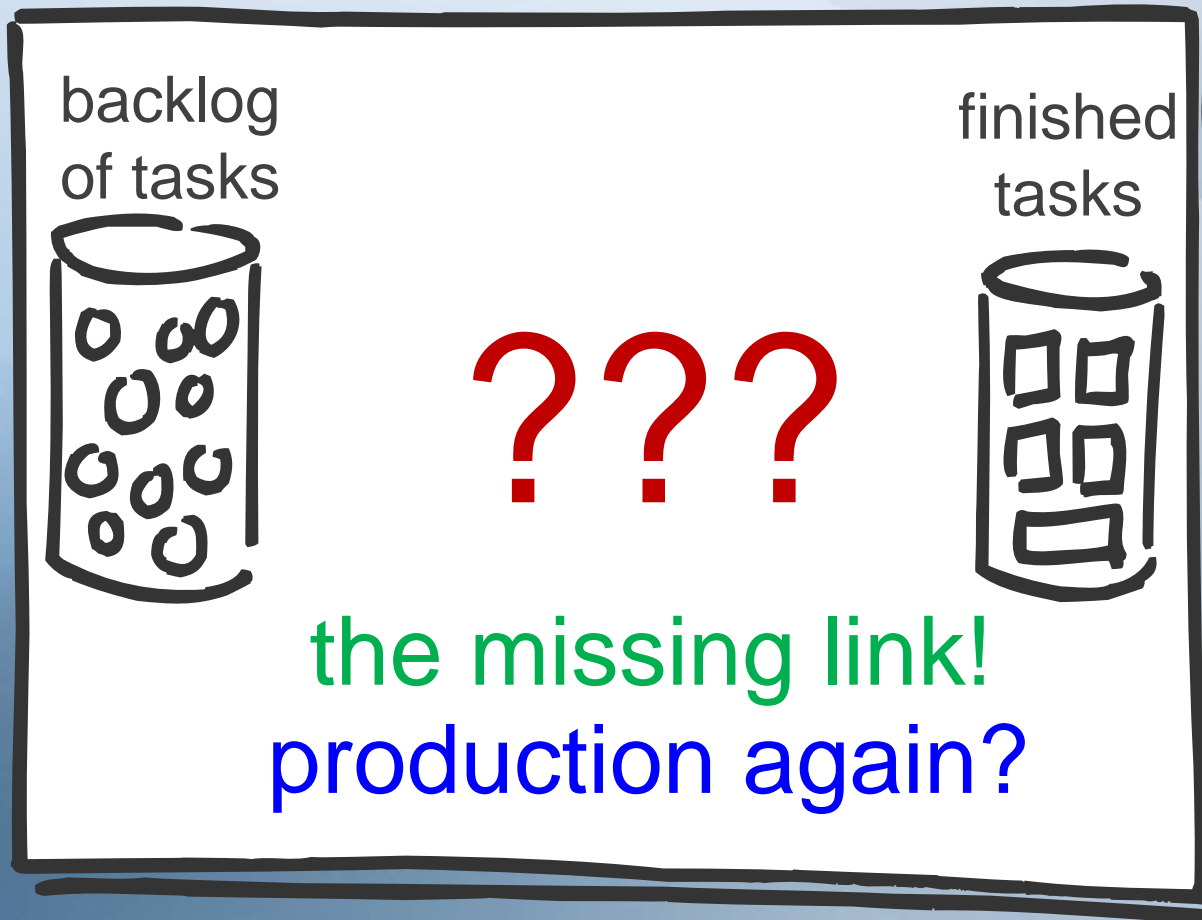
one project

one typical project

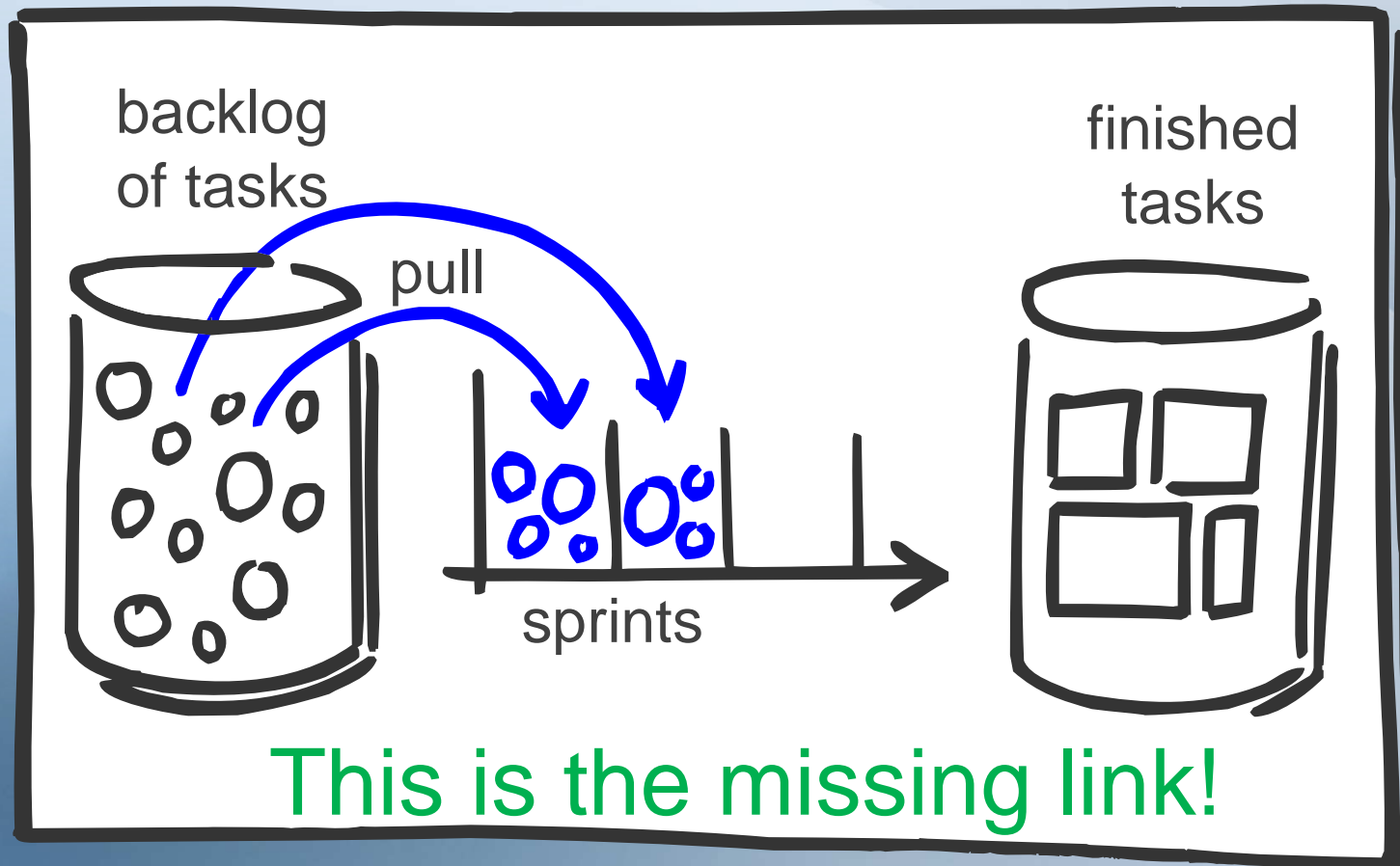


dependencies
+ buffers
= project

a typical subproject



Agile





Agile has some problems to solve ...

- ⊖ unclear and open backlog – floating WIP
- ⊖ it's done when it's done
- ⊖ hidden buffers
- ⊖ no remaining duration

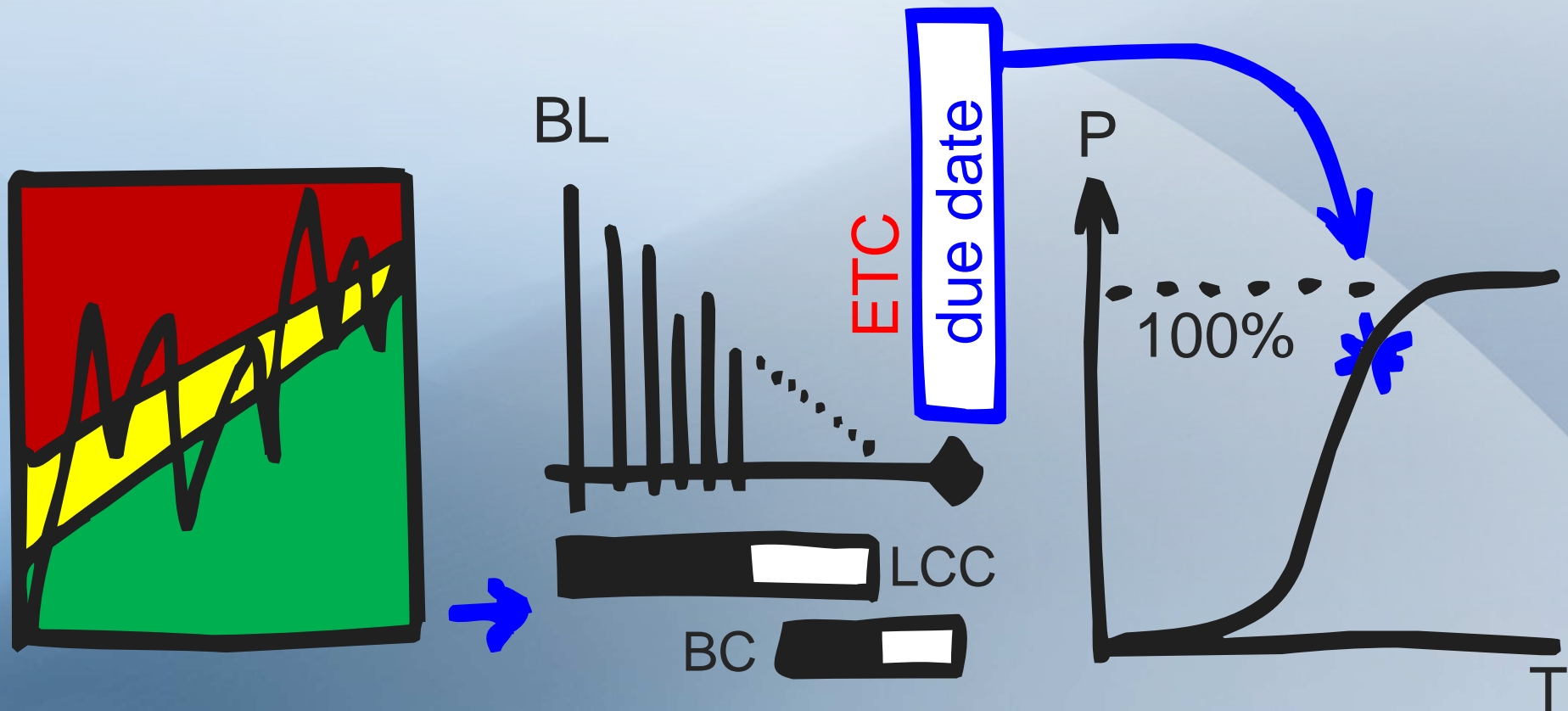
**incompatible!
with projects/CCPM**

- ⊖ Scrum \approx H. Ford sprints = big batches
- ⊖ Kanban \approx T. Ohno many buffers
- ⊖ high inventories

too slow!



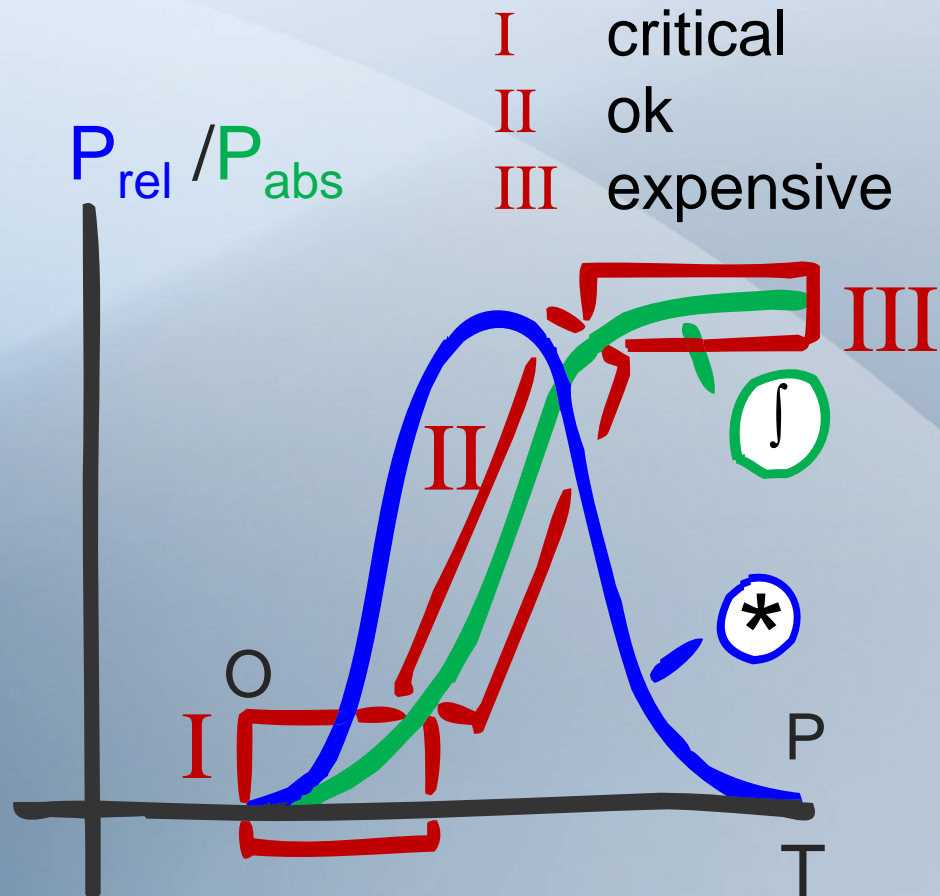
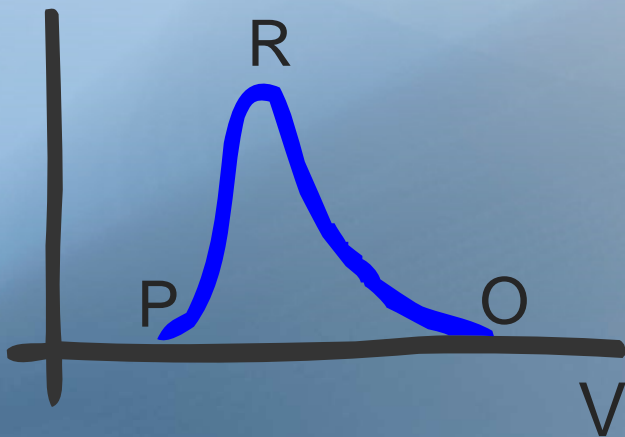
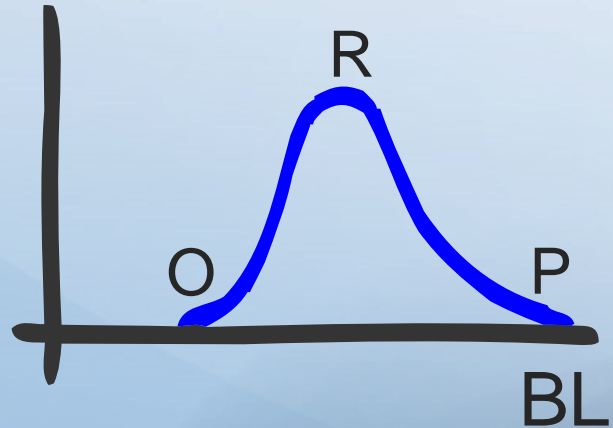
making agile reliable – Reliable Scrum



BL (Backlog), BC (Buffer Consumption)
LCC (Longest Critical Chain Completed)
P (Probability), ETC (Estimated Time To Complete)



making agile reliable – mathematics



- I critical
- II ok
- III expensive

O (Optimistic), R (Realistic), P (Pessimistic)
 BL (Backlog), V (Velocity), T (Time)
 P rel (relative Probability), P abs (Probability)

Slide 13

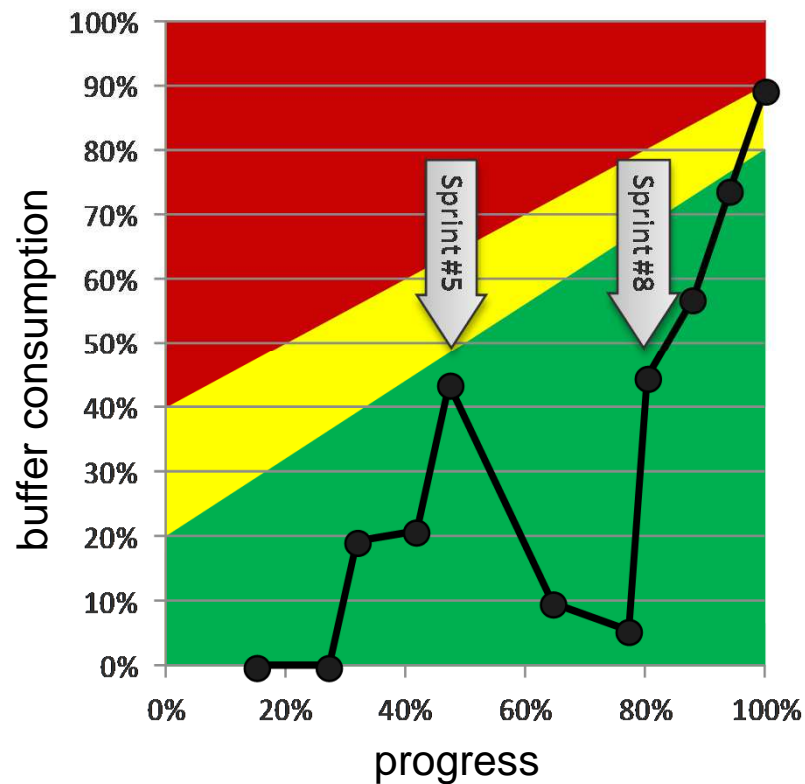
RB1

Hauptwörter werden in den Titeln meistens GROSS geschrieben ... der Anfangsbuchstabe

Rudi Burkhard, 11-Apr-13

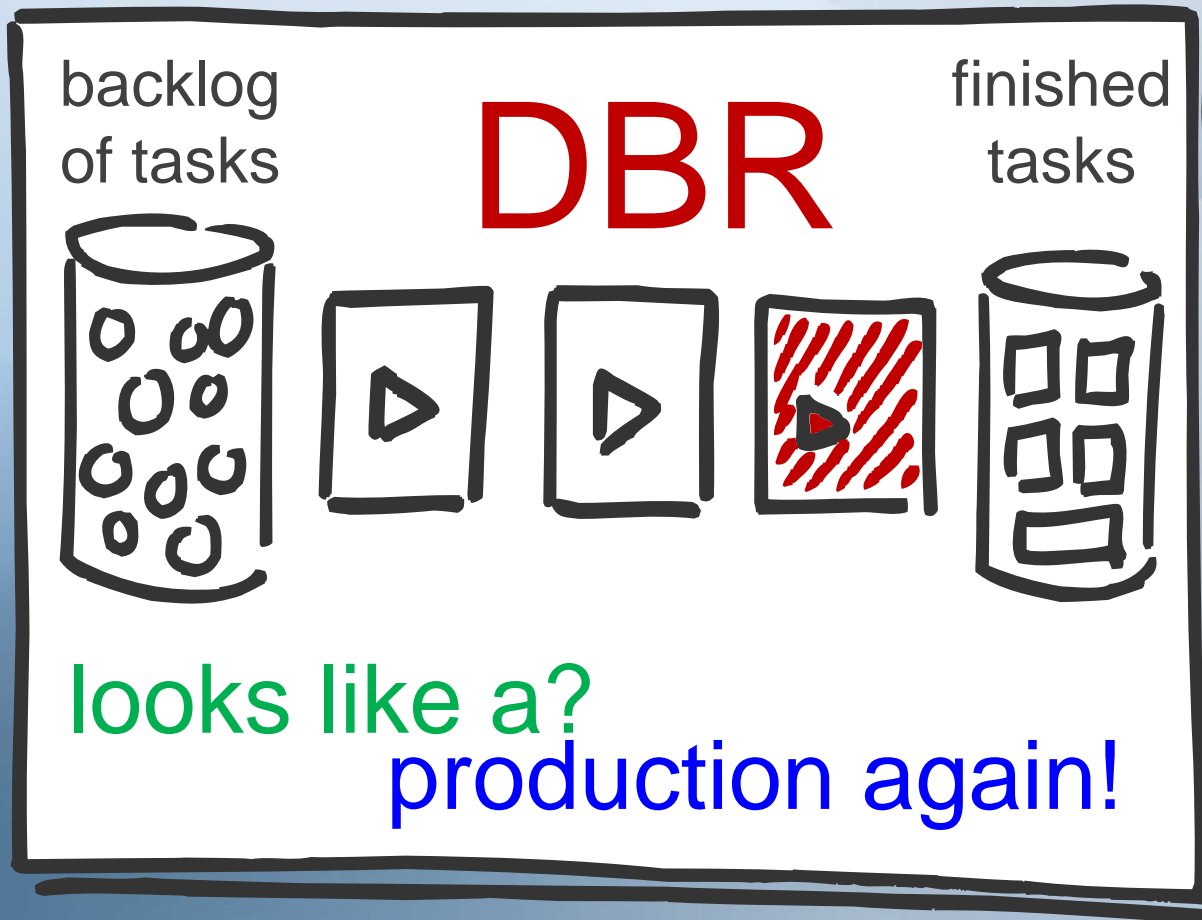
Reliable-Scrum.Info

fever curve of an infrastructure it project

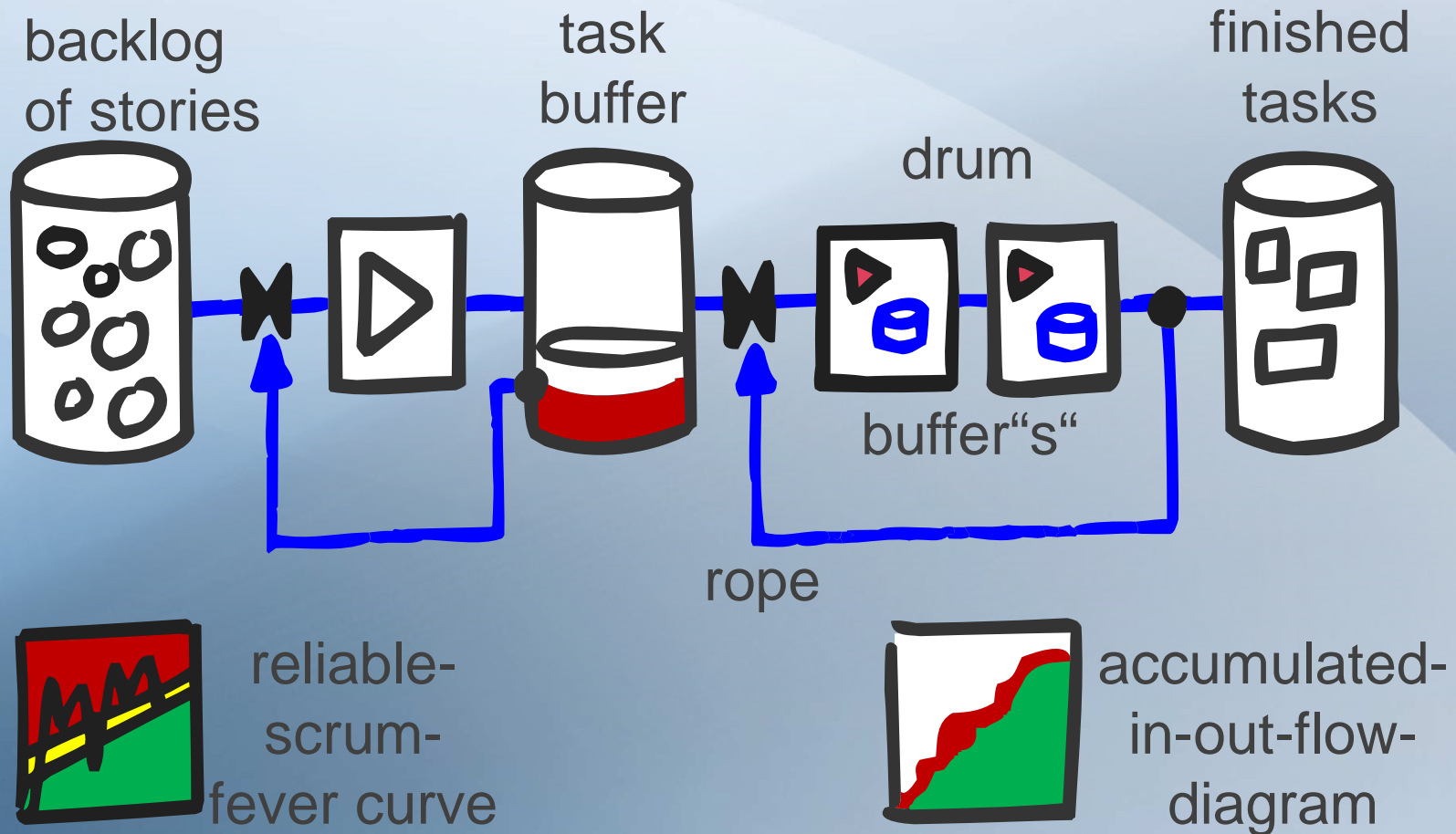


- reasonable due-date → WIP initial under control
- fever curve → WIP stays under control
- highly reliable
- transparent
- compatible
- many more ...

agile

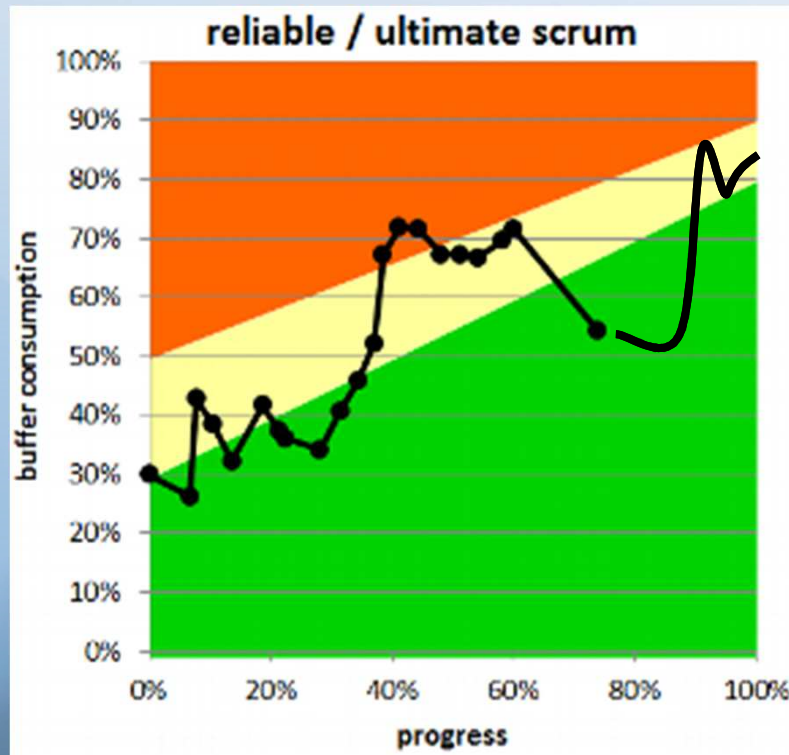


in practice ... two stages

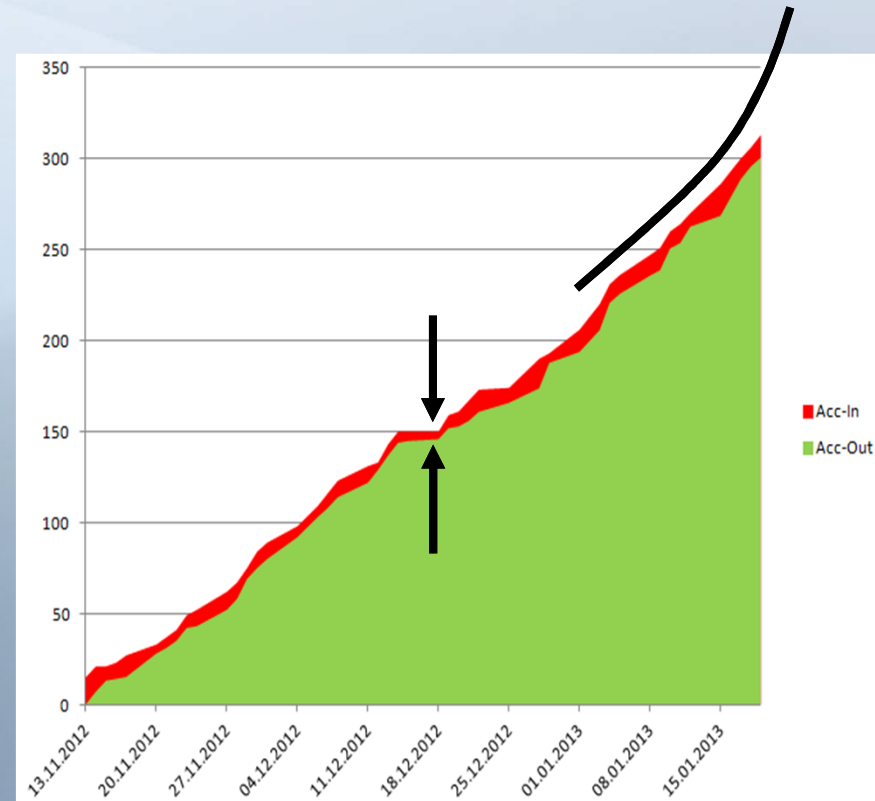




two monitors – three indicator ...



#1 stay in yellow-green!



#2 less tasks than developer

#3 turn the curve up!



some results ...

Domains

New opportunities, new possibilities:
OVER 700 NEW DOMAIN EXTENSIONS

- ✓ Achieve better search engine positioning
- ✓ All new domains from a single source
- ✓ Integrated forwarding allows your 1&1 registered domains to quickly and easily be connected to your website, no matter where it is hosted

Pre-reserve for free, no obligation!

Pre-reservations as of: 10/19/2013

3,34
WEB 105
ONLINE 873
SHOP 778
APP 528
BLOG 473

Check your Domain Name now:

A-dato
High Performance Delivered

Home Overview Customers Agile Scrum LEAN planning

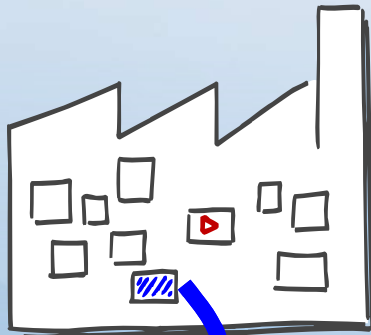
Gigaset Gigaset Germany

SONEL SONEL Poland

Honeywell Honeywell Enraff

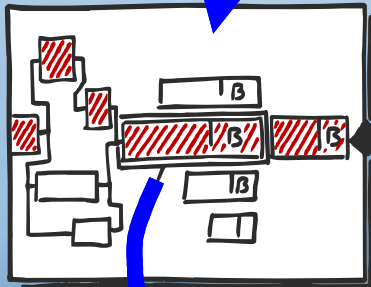
- Domain Products
 - in use since Nov/12
 - distributed team
- 5 Releases/Projects
 - all delivered in time
 - bug free!
 - highly agile
- A-dato (NL) the first tool that supports CCPM + advanced Agile

All three layers together ...



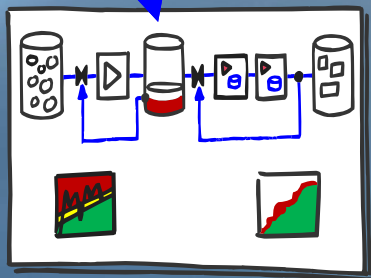
multi project management

= production
= Drum Buffer Rope



single project

= projects
= Critical Chain



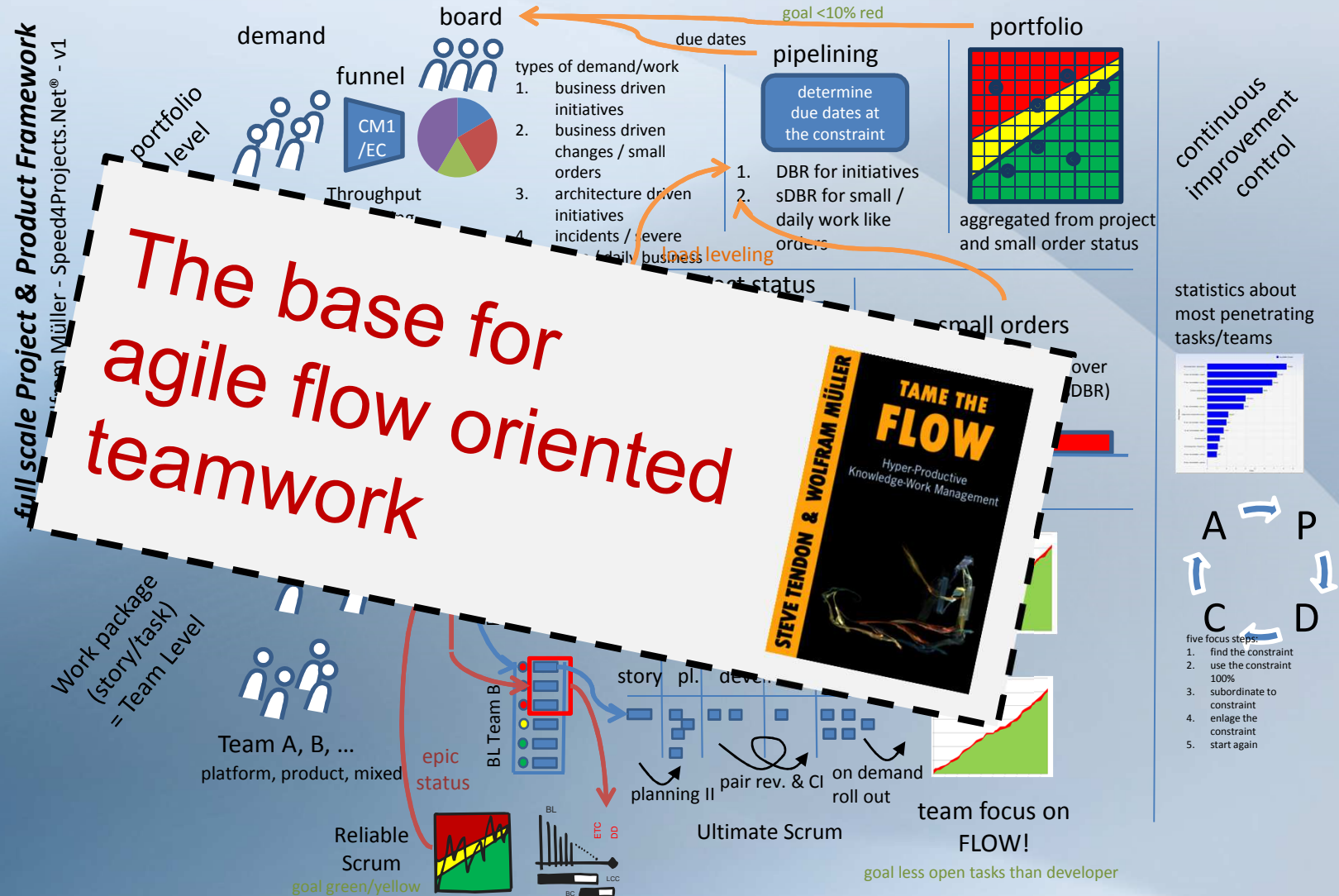
sub project

= production
= Reliable/Ultimate Scrum

Optimal steering

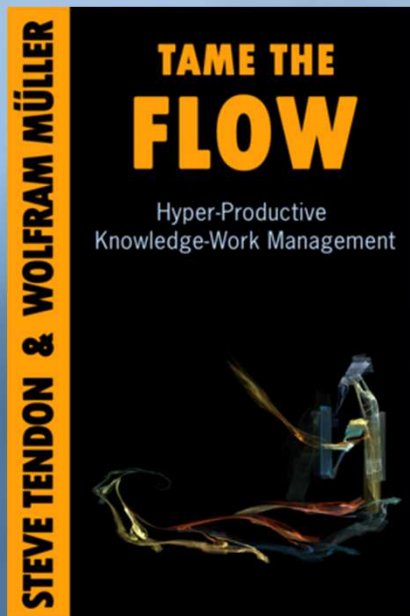
- reliable
- fast & agile
- max. throughput
- scalable
- best of all worlds

full scale Project & Product Framework ...





*SPEED*4 projects



www.Speed4Projects.Net
(German)

www.Reliable-Scrum.Info
(English)